



Sheet 1 of 5

Form PTO-1449
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney's Docket Number

Serial No.

A-19095

07/937/560

INFORMATION DISCLOSURE CITATION

Applicant

Raymond C. McGarvey

Filing Date

8/31/92

Group Art Unit

24061

(Use several sheets if necessary)

U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|------------|-------------|-------|----------|-------------------------------|
| S.C. | 0 5 0 8 7 6 5 | 11/14/1893 | Rouse | 277 | 167.5 | |
| S.C. | 1 8 2 1 8 6 5 | 9/1/34 | Wilson | 277 | 180 | |
| S.C. | 1 8 2 1 8 6 6 | 9/1/31 | Wilson | 277 | 180X | |
| S.C. | 3 2 3 9 2 4 5 | 3/8/66 | Press Et AL | 285 | 354X | |
| S.C. | 3 3 0 2 9 5 3 | 2/7/67 | Glasgow | 277 | 180 | |
| S.C. | 3 5 7 8 3 4 6 | 5/11/71 | Jelinek | 277 | 180 | |
| S.C. | 3 9 8 6 7 2 1 | 10/19/76 | Decker | 277 | 180X | |
| S.C. | 4 0 2 6 5 6 5 | 5/31/77 | Jelinek | 277 | 180 | |
| S.C. | 4 2 9 4 4 7 7 | 10/13/81 | Ahlstone | 277 | 180X | |
| S.C. | 4 3 0 3 2 5 1 | 12/1/81 | Harra et al | 277 | 236 | |
| S.C. | 4 6 16 8 6 0 | 10/14/86 | Faria et al | 277 | 167.5X | |

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Scott Cummings

DATE CONSIDERED

8/25/93

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|---------------------|-----------------|----------|----------------|-------|----------|-------------------------------|
| S.C. | 4 6 7 4 7 56 | 6/23/87 | Fallon et al | 277 | 180X | |
| S.C. | 4 8 5 4 5 9 7 | 8/8/89 | Leigh | 277 | 236X | |
| S.C. | 5 0 4 0 7 1 4 | 8/20/91 | McManigal | 277 | 236X | |
| S.C. | 3 2 0 8 7 5 8 | 9/1961 | Carlson et al. | 277 | 171 | |
| S.C. | 3 5 6 1 7 9 3 | 2/1971 | Rode | 285 | 13 | |
| S.C. | 4 1 6 8 8 52 | 9/1979 | Ahlstone | 285 | 336 | |
| S.C. | | | | | | |
| S.C. | 5 0 8 7 0 8 5 | 2/11/92 | McGarvey | 285 | 917X | |
| S.C. | 0 9 0 6 7 6 1 | 12/15/08 | White | 285 | 336 | |
| S.C. | 1 8 1 9 0 3 6 | 8/18/31 | Oberhuber | 285 | 336 | |
| S.C. | 4 4 0 7 5 1 6 | 10/4/83 | Le et al | 285 | 917X | |

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|------|-----------------|--------|-------------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| S.C. | 0 3 7 4 4 7 9 | 3/73 | USSR | 285 | 917 | | |
| S.C. | 3 9 3 8 5 5 | 11/65 | Switzerland | 277 | 180 | | |
| S.C. | 0 9 2 6 7 8 9 | 5/63 | W.K. | 277 | 180 | | |
| S.C. | 2 7 8 0 8 5 | 3/1965 | Australia | 277 | 207A | | |
| S.C. | 3 4 9 5 | 4/1989 | PCT | | | | |

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|---------------------|-----------------|----------|--------------------|-------|----------|-------------------------------|
| S.C. | 5 1 2 9 6 8 8 | 7/14/92 | McGarvey | 285 | 328 | |
| S.C. | 5 1 3 5 2 6 9 | 8/4/92 | Babuder | 285 | 917X | |
| S.C. | 5 1 4 5 2 1 9 | 9/8/92 | Babuder | 277 | 236X | |
| S.C. | 5 1 6 3 7 2 1 | 11/17/92 | Babuder | 285 | 917X | |
| S.C. | 1 4 7 7 6 9 6 | 12/18/23 | Dollman | 285 | 331X | |
| S.C. | 3 5 2 1 9 1 0 | 7/28/70 | Callahan Jr. et al | 285 | 422X | |
| S.C. | 4 4 0 3 7 9 5 | 9/83 | Davlin | 285 | 334.2(*) | |
| S.C. | 3 7 4 7 9 6 3 | 7/83 | Shivak | 285 | 328.x1 | |
| S.C. | | | | | | |
| S.C. | 1 8 3 6 1 9 8 | 12/31 | Spyer | 285 | 363.x1 | |

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|---------------------|-----------------|--------|----------------|-------|-----------|-------------------------------|
| S.C. | 1 8 6 6 6 3 6 | 7/32 | Fantz | 285 | 334.2 (x) | |
| S.C. | 5 8 2 5 7 5 | 5/1897 | Bayles | 255 | 363 (x) | |
| S.C. | 5 0 6 6 0 5 1 | 11/91 | Weigl et al. | 285 | 328 | |
| S.C. | 3 7 6 5 7 0 7 | 1973 | Westberg | 285 | 336 | |
| S.C. | 3 6 6 9 4 7 4 | 1972 | Bode | 285 | 365 | |
| S.C. | 2 7 8 9 8 4 4 | 4/1957 | Kessler | 285 | 336 | |
| S.C. | 4 8 5 6 8 2 8 | 8/89 | Kessler et al | 285 | 910 (x) | |
| S.C. | 4 8 3 8 5 8 3 | 1/89 | Babuder et al. | 285 | 354 | |

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|---------------------|-----------------|---------|----------------|-------|----------|-------------------------------|
| S.C. | 3 5 5 6 5 6 8 | 1/71 | King | 277 | 236 (x) | |
| S.C. | 3 4 8 2 8 6 0 | 12/1969 | Dawbarn et al. | 285 | 354 | |
| S.C. | 3 3 6 8 8 1 8 | 2/1968 | Asamaki et al | 285 | 336 (x) | |
| S.C. | 3 0 1 5 5 1 0 | 1/1962 | Bates | 277 | 207 (ax) | |
| S.C. | 2 5 7 6 0 1 2 | 11/1951 | Gurck | 277 | 007 (ax) | |
| S.C. | 2 5 6 1 8 8 4 | 7/1951 | Perrow | 277 | 007 (ax) | |
| | | | | | | |
| S.C. | 4 8 6 1 0 7 6 | 9/89 | Newman et al | 285 | 354 (x) | |
| S.C. | 2 6 8 8 5 0 0 | 9/54 | Scott | 277 | 158 (x) | |
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